

SFUND RECORDS CTR
2072087

Timex Corporation

File No. 2189.8156

Summary: Timex Corporation operated a liquid crystal products manufacturing facility at 20650 Valley Green Drive in Cupertino, California between 1978 and 1983. A 500 gallon capacity fiberglass waste chemical storage tank was removed in 1983 and soil samples were collected and analyzed. None of the solvents used at the facility were detected in the samples. However, the presence of 2-2-oxybisethanol (diethylene glycol) in concentrations from 1180 ppb to 13,000 ppb were found. Subsequent soil sampling and analyses found no detectable levels of the diethylene glycol. The tank and some soils were excavated and removed from the site.

Recommendation: Considering that this site poses no apparent threat to surface or groundwaters of the State, no further action is recommended in this matter. A letter stating this fact will be sent to Timex Corporation in January, 1987 from the Regional Water Quality Control Board.

EPA recommendation: No further action. Soil samples taken where the tank was do not ~~detect~~ contain hazardous wastes. The absence of hazardous waste suggests that this site is not a threat to the surface or groundwater. Therefore, no further action under CERCLA is recommended.

Holly Hadlock
2/17/87

There does not appear to be an uncontrolled hazardous waste problem here.
✓ No further action under CERCLA appears warranted.

Paul J. Conway
2.17.87.

**PRELIMINARY ASSESSMENT
Region 9**

File No. 2189.8156

Preparer's Name Ronald H. Clawson (415) 464-0825

Date December 23, 1986

Steven Inn (415) 464-0837

	SOURCE	INFORMATION
1. Site ID Number		
2. Site Name		Timex Corporation
3. Site Location		20650 Valley Green Drive Cupertino, CA 95014
4. County		Santa Clara
5. ^{Property} Owner (Address & telephone no.)	12/8/86 telephone conversation	Sobrato Development Companies 10600 N. De Anza Blvd. Suite 200 Cupertino, CA 95014 Attn: Nancy Williams (408) 446-0700
6.** Operator (Address & telephone no.)	"	Timex Corporation 20650 Valley Green Drive Cupertino, CA 95014 (408) 249-6965 (until 1983)
7. Type of Ownership	"	Private
8. Status	"	Inactive - Tank removed
9. Source Activity	"	Various solvents were used in the process of manufacturing liquid crystal products. Waste solvent was placed into a 600 gal. buried fiberglass tank.
10. Years of Operation	12/8/86 tele. con.	1978 to 1983
11. Facility Type	Dec. 9, 1983 safety specialists letter	Waste solvents dumped into a buried 600 gal. capacity tank.
12. Waste Type and Description	"	Hexanes, isopropyl alcohol, ethanol, methanol, benzene, toluene, acetone. None of these were found in the soil under the excavated tank.

EPA-IX-FORM 890

1/18/83

** The current operator is: Apple Computers, Inc.
20650 Valley Green Drive
Cupertino, CA 95014
Attn: Debbie Perez
(408) 973-5032

13. Contacts

Tom Thinesen, Timex, (408) 249-6965 (12/8/86, 7/1/86, 8/18/86)
Youssef El-Shoubary, Safety Specialists, Inc. (12/11/86)

14. Incidents

Fire and Explosion NO Direct Contact NO

15. Inspections (date, type, by whom, recommendations)

NONE

16. Enforcement History (list date, type of action, requirements, outcome)

NONE

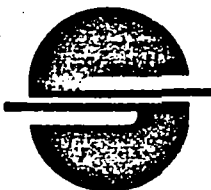
17.a. Initial recommendation for further action:

No further action is recommended since the site poses no threat to surface or groundwater.

17.b. EPA recommendation for further action:

18. Response Termination: No Further Action Pending Active

Justification:



SAFETY SPECIALISTS, Inc.

3284F Edward Avenue, Santa Clara, California 95050 • Telephone (408) 988-1111
Mailing Address: P.O. Box 4420, Santa Clara, CA 95054

December 9, 1983

File #2189.8156
SC
SRAL
CALIFORNIA REGIONAL WATER

DEC 12 1983

QUALITY CONTROL BOARD

Mr. Steven R. Ritchie
Associate WRCE
California Regional Water
Quality Control Board
San Francisco Bay Region
1111 Jackson Street, Room 6040
Oakland, CA 94607

Dear Mr. Ritchie:

The following is our operations plan for the removal and disposal of a 600-gallon waste storage tank belonging to Timex Corporation.

I. Tank location

- A. 20650 Valley Green Drive
Cupertino, California 95014
- B. See Site Plan for tank location within facility.

II. Tank construction

- A. Fiberglass tank (600-gallon)
- B. Iron piping
- C. Installed 1978

III. Previous tank use

Waste flammable solvents

- A. Hexanes
- B. Isopropyl alcohol
- C. Ethanol
- D. Methanol
- E. Benzene
- F. Toluene
- G. Acetone

IV. Safety precautions

- A. Supervision by a safety professional
- B. Isolation from all ignition sources
- C. Tank empty and inert
- D. Lines flushed and capped

V. Removal procedures

- A. Isolate from all ignition sources
- B. Empty tank
- C. Flush lines with detergent and water
- D. Solidify residue
- E. Inert tank and lines
 - 1. CO₂ for lines
 - 2. Dry ice (9 lbs) for tank
- F. Cap all openings except vent pipe
- G. Wait one hour for oxygen and vapor displacement, test with GasTech
- H. Begin excavation to expose tank and pipe lines
- I. Remove pipe lines and cap or plug all openings leaving a 1/8-inch pressure relief hole at top of tank
- J. Inspect all joints and connections to tank for leakage. If leakage is suspected, sample soil below joints on connection. Refrigerate samples and transport to laboratory.
- K. Remove tank
- L. Inspect tank for integrity
- M. Seal any holes
- N. Remove soil samples from area below tank at depths of 2 and 4 feet. If leakage found, sample area below leak.
- O. Refrigerate samples and transport to laboratory



Mr. Steven R. Ritchie

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December 9, 1983

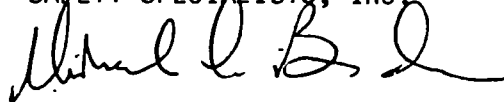
- P. If no contamination found, back-fill excavation
- Q. If contamination found or suspected, seal site, contact California Regional Water Quality Control Board and prepare site mitigation plan
- R. Properly load, secure, manifest, and transport tank to a Class I disposal site

Copies of all test results shall be sent to the California Water Quality Control Board.

If you have any questions or need further information, please feel free to call me at 408-995-6344.

Sincerely,

SAFETY SPECIALISTS, INC.



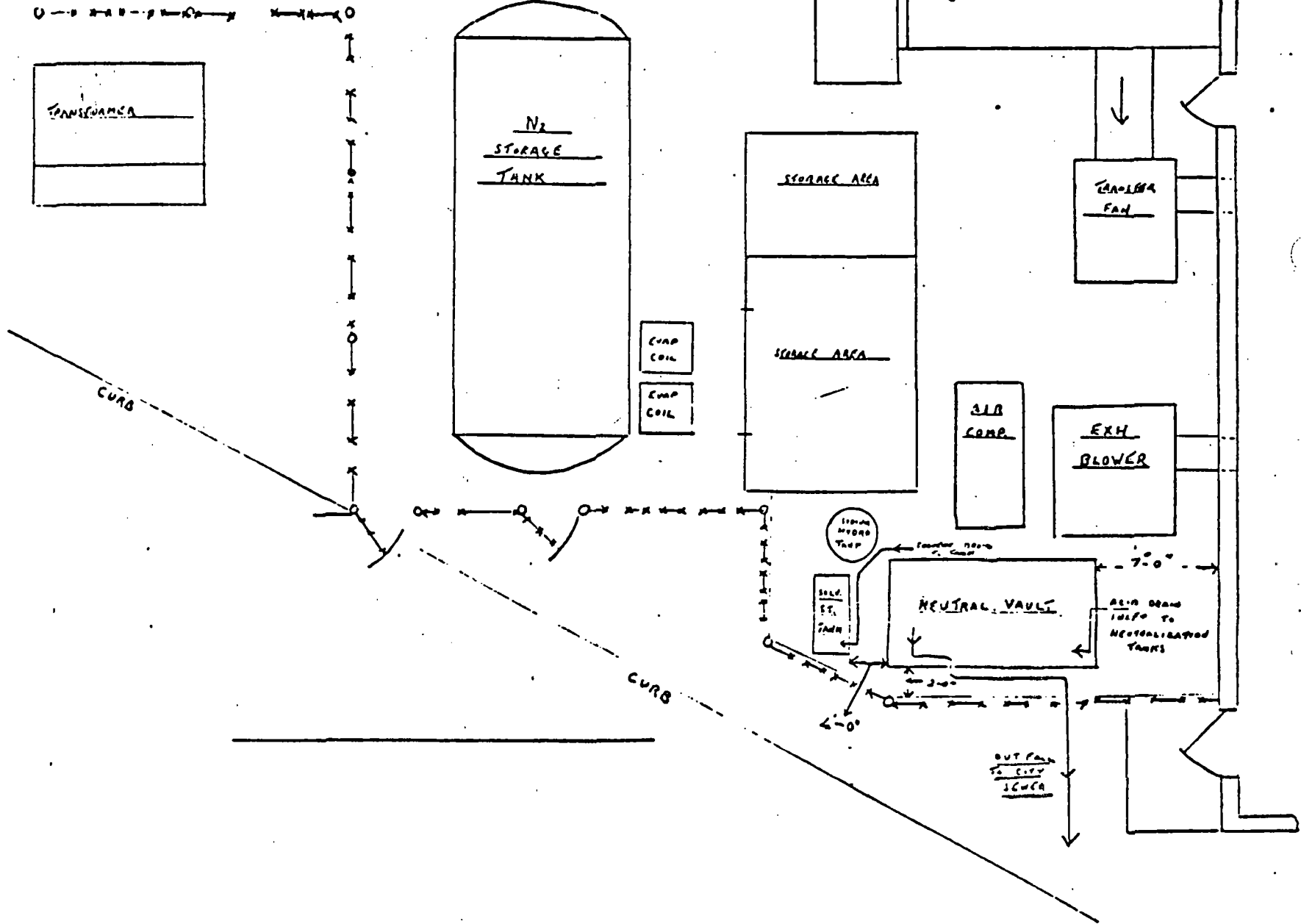
Michael L. Borden
President

MLB:wlm

Enclosure



SAFETY SPECIALISTS, Inc



REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
INTERNAL MEMO

TO: File #2189.8156 FROM: SOI

DATE: December 11, 1986 SIGNATURE: Steven Linn

SUBJECT: Questions of Safety Specialists, Inc. 10/13/86 Report

Phone call to Youssef El-Shoutary at (408) 988-1111
In BHI, a number of compounds detected in the soil sample are reported to be products of coal tar commonly used in asphalt pavement. Why would a sample collected at 20 ft. pick up a piece of asphalt? Youssef explained that BHI is located in the center of the area backfilled after the tank & coils had been excavated. The material in this sample was clearly backfill material. The absence of these compounds in the other four samples on the perimeter of the excavated area further show that these compounds are not a result of tank leakage.

In regards to the 1,1'-oxybisooctane reported in one sample in the February 1984 report, the compound is closely related to diethylene glycol, 2,2-oxybisethanol. This compound was not detected in the recent sampling mentioned above.

REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
INTERNAL MEMO

TO: File #2189.8156

FROM: S P I

DATE: December 8, 1986

SIGNATURE: Steven Linn

SUBJECT: Site History on Timex's former site in Cupertino.
Phone call to Tom Thinesen of Timex (408) 249-6965

Facility Description

Light manufacturer of liquid crystals for watches

Years of Operation

1978 to December 1983

Tom said he believes Apple Computers is the current occupant of the facility. During the years of operation, Timex leased the property from:

Sobrato Development Companies

10600 North De Anza Blvd., Suite 200

Cupertino, CA 95014

(408) 446-0700

Contact: Nancy Williams

REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
INTERNAL MEMO

TO: File # 2189.8156

FROM: SOI

DATE: December 8, 1986

SIGNATURE: Steven Inn

SUBJECT: Current information on Timex's former site in Cupertino.

Phone call to Debbie Perez of Apple Computers, Real Estate Department. (408) 973-5032

Apple Computers, Inc. is the occupant at 20650 Valley Green Drive in Cupertino. They began operations in January of 1984.

The owner of the property is:

Sobrate Development Companies
10600 North De Anza Blvd., Suite 200
Cupertino, CA 95014
(408) 446-0700

Contact: Nancy Williams